

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054973 A3

(51) International Patent Classification⁷: **H04L 9/00**, 9/32

(21) International Application Number:
PCT/IL2004/001073

(22) International Filing Date:
22 November 2004 (22.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/526,446 3 December 2003 (03.12.2003) US

(71) Applicant (for all designated States except US): **SAFEND** [IL/IL]; 6 HaNechoset St., 69710 Tel-Aviv (IL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **SEVER, Gil** [IL/IL]; 76 Revivim St., 48621 Rosh-Haayin (IL). **GUTTERMAN, Zvi** [IL/IL]; 24 Mara St., 93715 Jerusalem (IL). **TALMI, Shazar** [IL/IL]; 10 Jacob Efer st, 69362 Tel-Aviv (IL).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

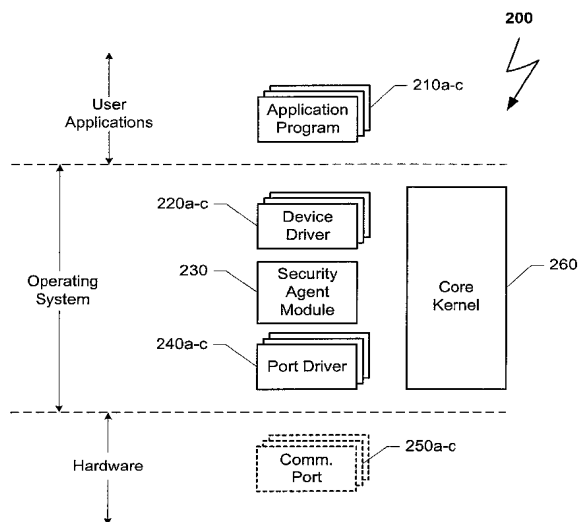
Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
6 October 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND SYSTEM FOR IMPROVING COMPUTER NETWORK SECURITY



(57) Abstract: Computers connected to a private network are monitored and controlled through the use of a client agent (230) that operates in association with the computer (200) and a server client that establishes security parameters, privileges, and authorizations for the computer. The invention can prevent access to certain devices according to an active security policy. Any activity of the computer (200), such as a request to transfer data to an external device, access a particular file, etc. is monitored and controlled by the client agent (230). No operations or procedures are allowed by the computer (200) inconsistent with the active security policy. The security policy may be set by the administrator of the private network according to the user rights and position in the organization.

WO 2005/054973 A3

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/01073

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 9/00, 9/32

US CL : 713/200, 201, 202; 380/255, 270

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 713/200, 201, 202; 380/255, 270

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0154380 A1 (RICHMOND et al) 14 August 2003, see paragraphs 6, 26, 46, 52, 62, and 131	1-34
X	US 2003/0152067 A1 (RICHMOND et al) 14 August 2003, see entire document	1-34

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

09 August 2005 (09.08.2005)

Date of mailing of the international search report

29 AUG 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (571) 273-8300

Authorized officer

Ayaz Sheikh

Telephone No. 703-305-3900

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL04/01073

Continuation of B. FIELDS SEARCHED Item 3:
BRS (files: USPAT, US PGPUB)

search terms: port, physical, policy, rule, right, privilege, allow, allowing, allowed, permit, permission, permitted, permitting, block, blocking, blocked, deny, denying, denied